Title (en)
A hub-bearing assembly allowing pressurized air to be supplied to the tire of a motor vehicle wheel

Title (de)
Lagervorrichtung für eine Radnabe geeignet zur Druckluftzufuhr in einem Reifen eines Kraftfahrzeugrades

Title (fr)
Ensemble de palier de roulement pour moyeu de roue permettant d'alimenter en air comprimé un pneumatique d'une roue de véhicule automobile

Publication
EP 1738936 B1 20081105 (EN)

Application
EP 05105756 A 20050628

Priority
EP 05105756 A 20050628

Abstract (en)
[origin: EP1738936A1] A hub-bearing unit (10) has a rotatable outer race (30) fixable to a wheel and an inner stationary hub (20) forming a passage (27) for pressurized air coming from a source of pressuring air mounted onboard of a vehicle. Tightly fitted on the axially outer side of the unit (10) is a cylindrical cover (50) defining with the unit (10) an airtight chamber (51) communicating with the passage (27). The cover (50) has a through bore (55) for establishing air communication between the chamber (51) and a tube (A, B) for conveying pressurized air to the tire. The cover has an outer wall (52) with a cylindrical portion (52b) axially protruding beyond the hub-bearing unit (10) so as to provide a cylindrical surface for centering the wheel of the vehicle.

IPC 8 full level
B60C 23/00 (2006.01)

CPC (source: EP US)
B60C 23/00318 (2020.05 - EP US); **B60C 23/00345** (2020.05 - EP US); **B60C 23/00363** (2020.05 - EP US); **F16C 33/723** (2013.01 - EP US); F16C 19/186 (2013.01 - EP US); F16C 2326/02 (2013.01 - EP US)

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DE102007005765A1; CN108859622A

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 05105756 A 20050628; AT 05105756 T 20050628; DE 602005010843 T 20050628; US 47732906 A 20060628